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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,296	12/16/2004	Per Bergqvist	66352-034	8310

25269 7590 11/29/2010

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EXAMINER	
DEAN, RAYMOND S	

ART UNIT	PAPER NUMBER
2618	

MAIL DATE	DELIVERY MODE
11/29/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/518,296	BERGQVIST, PER	
	Examiner	Art Unit	
	RAYMOND S. DEAN	2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *28 October 2010*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-9* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-9* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *16 October 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on October 28, 2010 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 1, 2, 4 – 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jokinen et al. (US 2003/0027581) in view of Miller et al. (6,006,084).

Consider Claim 1, Jokinen teaches a method for the automatic management of terminal-dependent information in a wireless communication network (0026, lines 1-29, particularly lines 9-13, 0027-0028), which method comprises the steps of: -the detection of the unique identity of the terminal that the subscriber is currently using (0013, lines 1-

21, particularly lines 5-15, 0014, lines 4-12, 0026, lines 1-29, particularly lines 18-20, 0026); the adaptation of information about properties to services for the type of terminal detected (0027, lines 1-14, particularly lines 5-9, 0063, lines 1-17, particularly lines 8-15), by retrieving data corresponding to a terminal type; and the presentation of the adapted information on the said terminal (0043, lines 1-20, particularly lines 6-8).

Although Jokinen et al. teaches the method for the automatic management of terminal-dependent information in a wireless communication network (0026, lines 1-29, particularly lines 9-13, 0027-0028), Jokinen et al. does not specifically teach the remapping by a configuration server of the unique identity to properties, including type of terminal.

Jokinen contains the base process of detecting the unique identity of terminal and the adaptation of information about properties to services for the type of terminal detected which the claimed invention can be seen as an improvement in that said unique identity can be remapped to properties including type of terminal.

Miller contains the known technique of remapping by a configuration server of the unique identity to properties, including type of terminal (Cols. 4 lines 4 – 5, 8 lines 7 – 9, the IMEI is assigned or mapped to a terminal that communicates on a particular L-band channel, which is a description of the type of terminal, the device or entity that conducts said assigning is acting as the configuration server) that is applicable to the base process.

Miller's known technique set forth above would have been recognized by one skilled in the art as applicable to the base process of Jokinen and the results would

have been predictable and resulted in a more flexible mobile device that can communicate with communication satellites, which is an improved process.

Therefore, the claimed subject matter would have been obvious to a person having ordinary skill in the art at the time the invention was made.

Consider Claim 2, Jokinen in view of Miller teaches all of the claimed limitations recited in Claim 1. Jokinen further teaches a method for the automatic management of terminal-dependent information in a wireless communication network, the step of detecting the type of terminal being carried out by monitoring and probing signal links (Section 0039 lines 1 – 8, See Response To Arguments set forth in the Office Action dated December 22, 2008).

Consider Claim 4, Jokinen in view of Miller teaches all of the claimed limitations recited in Claim 1. Jokinen further teaches a method for the automatic management of terminal-dependent information in a wireless communication network further comprising the steps of: the request by the user of a service via SMS/USSD or conversation (0057, lines 1-23, particularly lines 9-15, 0050, lines 1-14, particularly lines 4-8, 0041, lines 15-20, 0035, lines 1-8); the exchange of IMEI information between MSC and BSC/RNC or between SGSN and BSC/RNC for the subscriber (0041, lines 1-23, 0043, lines 1-20, 0048-0049, 0031-0032); the capture of current IMEI information about the subscriber by probing the signal link (0049, lines 1-10, 0013, lines 1-21, particularly lines 6-8, 0014, lines 1-16, particularly lines 5-7, 0043, lines 1-20, particularly lines 17-20, 0044, lines 1-8, See Parts 300, 302 of Figure 3), in order to detect whether the IMEI is a new IMEI for the subscriber identified; the detection by an application server of the request (0049,

lines 1-10, See Parts 300, 302 of Figure 3); the request by the application server for terminal properties from the configuration server (0012, lines 1-9, 0014, 0026, lines 1-29), by using a provisional server to initiate procedures for the terminal; the discovery by the configuration server of a unique subscriber identity either by reading information that is stored locally or by a request to HLR (0049, lines 1-10); the reading by the configuration server of stored IMEI for the subscriber (0049, lines 1-10, 0041, lines 1-23, 0043, lines 1-20, 0048, 0031-O032); the return by the configuration server of the properties to the application server (0026, lines 1-29, 0014, lines 1-16, 0012); and the transmission of a terminal-dependent configuration to the terminal via SMS or other information channel (0057, lines 1-23, particularly lines 9-15, 0050, lines 1-14, particularly lines 4-8, 0041, lines 15-20, 0035, lines 1-8). Miller further teaches remapping by the configuration server of IMEI to properties (Cols. 4 lines 4 – 5, 8 lines 7 – 9, the IMEI is assigned or mapped to a terminal that communicates on a particular L-band channel, which is a description of the type of terminal).

Consider Claim 5, Jokinen in view of Miller teaches all of the claimed limitations recited in Claim 1. Jokinen further teaches a method for the automatic management of terminal-dependent information in a wireless communication network further comprising the steps: the request by the user of a service via SMS/USSD or conversation (0057, lines 1-23, particularly lines 9-15, 0050, lines 1-14, particularly lines 4-8, 0041, lines 15-20, 0035, lines 1-8); the detection by an application server of the request (0049, lines 1-10, See Parts 300, 302 of Figure 3); the request by the application server for properties (0012, lines 1-9, 0014, 0026, lines 1-29), by using a provisional server to initiate

procedures for the terminal; the request by the configuration server for IMEI via modified ATI or a new operation involving HLR (0043, 0048, 0026); the request by HLR to the terminal for IMEI via MSC/SGSN (0043, lines 1-20, particularly lines 14-20, 0048); the return by the configuration server of the properties to the application server (0026, lines 1-29, 0014, lines 1-16, 0012); and the transmission of a terminal-dependent configuration to the terminal via SMS or other information channel (0057, lines 1-23, particularly lines 9-15, 0050, lines 1-14, particularly lines 4-8, 0041, lines 15-20, 0035, lines 1-8). Miller further teaches remapping by the configuration server of IMEI to properties (Cols. 4 lines 4 – 5, 8 lines 7 – 9, the IMEI is assigned or mapped to a terminal that communicates on a particular L-band channel, which is a description of the type of terminal).

Consider Claim 6, Jokinen in view of Miller teaches all of the claimed limitations recited in Claim 5. Jokinen further teaches a method for the automatic management of terminal-dependent information in a wireless communication network wherein the step in which HLR requests IMEI from the terminal comprises the steps of: the request by HLR to MSC/SGSN for IMEI for the subscriber (0043, lines 1-20, particularly lines 14-20, 0048, lines 1-10); and the request by MSC/SGSN to the terminal for IMEI for the subscriber via BSC (0043, lines 1-20, 0048, lines 1-10, 0026).

Consider Claim 7, Jokinen in view of Miller teaches all of the claimed limitations recited in Claim 1. Jokinen further teaches a method for the automatic management of terminal-dependent information in a wireless communication network further comprising the steps of: the request by the application server for properties from the configuration

server (0012, lines 1-9, 0014, 0026, lines 1-29), by using a provisional server to initiate procedures for the terminal; the discovery by the configuration server of a unique subscriber identity either by reading information that is stored locally or by a request to HLR (0049, lines 1-10); the reading by the configuration server of stored IMEI for the subscriber (0049, lines 1-10, 0041, lines 1-23, 0043, lines 1-20, 0048, 0031-0032); the contact by the configuration server to collaborating configuration servers if the IMEI information is not present in the local database (0049, lines 1-10, 0055, lines 1-25, 0042, 0051, 0053-0054), whereby the relevant collaborating configuration servers are determined by a request to HLR (0043, lines 1-20, 0048, lines 1-10, 0026); the conversion by the application server of terminal-independent information to terminal-dependent information (0009, lines 1-6, Abstract, 0012-0014, 0026, lines 1-29, 0027-0028, 0033-0034, 0043-0044, 0048-0049); and the delivery of terminal-dependent information to the terminal (0034, lines 1-24, particularly lines 5-6). Miller further teaches remapping by the configuration server of IMEI to properties (Cols. 4 lines 4 – 5, 8 lines 7 – 9, the IMEI is assigned or mapped to a terminal that communicates on a particular L-band channel, which is a description of the type of terminal).

Consider Claim 8, Jokinen in view of Miller teaches all of the claimed limitations recited in Claim 7. Jokinen further teaches a method for the automatic management of terminal-dependent information in a wireless communication network, the conversion step occurring based on attributes in the properties (0009, lines 1-6, Abstract, 0012-0014, 0026, lines 1-29, 0027-0028, 0033-0034, 0043-0044, 0048-0049), by using a provisional server to initiate procedures for the terminal.

Consider Claim 9, Jokinen in view of Miller teaches all of the claimed limitations recited in Claim 1. Jokinen further teaches at least one software product that can be loaded directly into the internal memory (0041, lines 1-23, particularly lines 13-15, 0065, 0068-0070, 0066) of at least one digital computer (0003, lines 9-12, 0027, lines 1-9) comprising software modules for carrying out the steps when the said products, at least one such (102subl,...,102subn) (0041, lines 1-23, particularly lines 13-15, 0065, 0068-0070, 0066) is run on the said computers, at least one such (100subl,...,100subn) (0003, lines 9-12, 0027, lines 1-9).

4. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jokinen et al. (US 2003/0027581) in view of Miller et al. (6,006,084), as applied to Claim 1 above, and further in view of Hurst et al. (US 7,149,545).

Consider Claim 3, Jokinen in view of Miller teaches all of the claimed limitations recited in Claim 1. Jokinen in view of Miller does not teach detecting the type of terminal being carried out by monitoring and probing signal links in order to detect.

However, in related art, Hurst teaches detecting the type of terminal being carried out by monitoring and probing signal links in order to detect MSISDN-IMSI mapping (Cols. 9 lines 45 – 53, 11 lines 62 – 67, 12 lines 1 – 9).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system of Jokinen in view of Pecen with the above feature of Hurst for the purpose of authorizing subsequent service or content activation

to authorized users while minimizing that unauthorized users will be able to access said service options or content as taught by Hurst.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to RAYMOND S. DEAN whose telephone number is (571)272-7877. The examiner can normally be reached on Monday-Friday 6:00-2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F. Urban can be reached on 571-272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Raymond S Dean/
Examiner, Art Unit 2618
Raymond S. Dean

November 22, 2010